**Elkis Felice and Rekha Thomas**

**Final Lesson: Recycling**

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| **Learning Objectives** | * Students will be able to identify recycling as a necessary means to reduce waste and pollution. * Students will be able to identify and sort items that can be recycled. |
| **Essential Questions** | * What is recycling and pollution? * What are some ways to recycle? * How can we reduce the amount of garbage in our classroom? |
| **Standards** | Student: NYS Science Standards:   * 3.1c Objects have properties that can be observed, described, and/or measured: length, width, volume, size, shape, mass or weight, temperature, texture, flexibility, reflectiveness of light. * 3.1f Objects and/or materials can be sorted or classified according to their properties.   Teacher: Domain 3 Instruction  Component 3C Engaging Students in Learning |
| **Materials and Resources** | picture cards  recycling materials  recycling worksheet |
| **Vocabulary** | recycle, reduce, reuse, pollution |
| **Procedure:** | **Formative assessment:** Students will be placed into groups and given a set of picture cards with items that can and cannot be recycled. Students will discuss and sort the cards into the two groups. Teacher will review the groups and students will discuss how they decided to sort the cards.   * Teacher will remind students about the trash that caused ocean pollution in the previous lesson and their solutions to reduce ocean pollution. Students will be asked to brainstorm other places that produce trash and discuss how it affects the environment. Teacher will tell students that today they will learn what is recycling, the different ways to recycle and how to reduce the amount of classroom trash. * Teacher will introduce recycling and explain materials can be reused when placed in recycling bins and it helps reduce the amount of trash that goes to landfills. Students will explore and become familiar with different recycling bins and materials that can be placed inside. * Students will watch a video on recycle, reduce and reuse on BrainPOP. After watching the video, students will discuss the importance of recycling and how it helps the environment. * Activity: (On a previous day, each student will have kept all the trash they produce in one school day in a bag.) Teacher will ask students to take out the contents of their bag and place it on their desk. Teacher will tell students to analyze the trash on their desk. What do you think about the amount of trash that has been produced in one day? How does it compare with your peers? * Students will then work with a partner to discuss and sort the items according to the recycling bins explored in class. Students will draw and label the items under each column on their worksheet. * Tell students there are things that they can do every day to reduce the amount of trash that they make not only in school, but everywhere. Have students share what they will do to reduce the amount of trash they produce. |
| **Summative Assessment** | * Students will complete the second part of the worksheet to explain the importance of recycling and its role in reducing waste. |
| **Extension** | * Students will participate in a field trip to a local recycling center and share their observations with a buddy class. |

**Assessment Rubric**

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| **1** | **2** | **3** | **4** |
| * Sort and label objects up to one category.      * Demonstrates little understanding that recycling is important and can help the environment. | * Sort and label objects up to two categories. * Demonstrates some understanding that recycling is important and can help the environment. | * Sort and label objects up to three categories. * Demonstrates understanding that recycling is important and helps the environment. | * Sort and label objects up to four categories. * Demonstrates understanding that recycling is important and helps the environment. |

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**Recycling**

**Directions**: Draw and label the sorted items under each category.

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| **Paper** | **Plastic/Glass** | **Metal** | **Trash** |
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1. Why is recycling important?

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2. How does recycling help the environment?

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**Formative Assessment Picture Cards**

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